

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-111458

(43)Date of publication of application : 23.04.1999

(51)Int.Cl.

H05B 33/14
C09K 11/06

(21)Application number : 09-264468

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(22)Date of filing : 29.09.1997

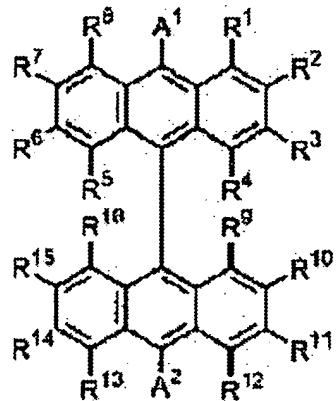
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(54) ORGANIC ELECTROLUMINESCENT ELEMENT MATERIAL AND ORGANIC ELECTROLUMINESCENT ELEMENT USING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an organic electroluminescent element having high luminous brightness and luminous efficiency and good stability to repeated use by using a specified luminescent material for the organic electroluminescent(EL) element.

SOLUTION: This luminescent material for an organic electroluminescent(EL) element is defined by the formula. In the formula, A1-A2 independently an optionally substituted alkyl group, alkoxy group, aryloxy group, condensed polycyclic group, alkylamino group, and arylamino group. R1-R16 are independently hydrogen, a halogen, cyano group, nitro group, an optionally substituted alkyl group, alkoxy group, aryloxy group, alkylthio group, arylthio group, cyclic group, and amino group. A compound where neighboring substituents of R1-R16 form an aromatic ring, has high glass transition temperature and melting point and the heat resistance is improved, so when such a compound is used as a luminescent material for an organic electroluminescent element, high luminous brightness is obtained.



LEGAL STATUS

[Date of request for examination] 04.06.2001

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]